

Date: Mon, 25 Jan 93 18:09:24 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #106
To: Info-Hams

Info-Hams Digest Mon, 25 Jan 93 Volume 93 : Issue 106

Today's Topics:

2m/70cm antenna
ARRL DX Bulletin #4 - January 21, 1993
ARRL DX Bulletin #5 - January 22, 1993
DSP and The Future
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Finding PL Tones and McDonald's
Ham Radio Causes Cancer!
I PASSED!!! (was Format of Code Exams?)
Mag mounts (again)
Posting Private Mail (Was: Re: Real hams?)
Radio Shack Business Band Radio
Real NoCodes (2 msgs)
TAC-200 Parts ID

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 25 Jan 93 08:23:57 GMT
From: eram!dave@midway.uchicago.edu
Subject: 2m/70cm antenna
To: info-hams@ucsd.edu

In article <1993Jan22.031019.8268@biggus.moron.vware.mn.org>,
chrisc@biggus.moron.vware.mn.org (Chris Cox W0/G4JEC) writes:

| That is a shame because for a vertical omni they do work pretty well, although
| finding a good matching point on the 1/4 wave transformer can take a little

| patience.

Hint: try using a 1:1 balun. I made one from co-ax (as published in the venerable RSGB VHF Handbook) and had none of the troubles usually experienced with these things (using a different length of feedline, swapping the inner and the outer etc). I wonder if it is actually a balanced antenna?

--

Dave Horsfall (VK2KFU) VK2KFU @ VK2RWI.NSW.AUS.OC
dave@esi.COM.AU ...munnar!esi.COM.AU!dave

Date: Sun, 24 Jan 1993 18:45:27 GMT
From: decrcrl!news.crl.dec.com!news!nntpd.lkg.dec.com!sttng.mlo.dec.com!
reisert@decwrl.dec.com
Subject: ARRL DX Bulletin #4 - January 21, 1993
To: info-hams@ucsd.edu

ZCZC AE30
QST de W1AW
DX Bulletin 4 ARLD004

Date: Sun, 24 Jan 1993 18:50:45 GMT
From: decrcrl!news.crl.dec.com!news!nntpd.lkg.dec.com!sttng.mlo.dec.com!
reisert@decwrl.dec.com
Subject: ARRL DX Bulletin #5 - January 22, 1993
To: info-hams@ucsd.edu

ZCZC AE31
QST de W1AW
DX Bulletin 5 ARLD005

Date: Sun, 24 Jan 1993 15:13:10 GMT
From: saimiri.prima.wisc.edu!sdd.hp.com!zaphod.mps.ohio-state.edu!
news.acns.nwu.edu!casbah.acns.nwu.edu!rdewan@ames.arpa
Subject: DSP and The Future
To: info-hams@ucsd.edu

In article <1jqpb2INNdi4@life.ai.mit.edu> regnad@hal.gnu.ai.mit.edu (Paul Prescott) writes:

>

>coherer. :) The best possible scenario I can think of would be a 455 KHz
>add on DSP box. This would make any receiver with a decent front end

>and a 455 KHz IF nothing short of an absolute marvel. This is one solid
>state device I would not mind being able to hang on my vacuum tube radios.
>

Kenwood tries to do something similar with the TS850S and DSP100. It adds another LO and a mixer to generate a ~38Kcs IF that it processes using the DSP unit. From what I have heard, it does not have a fast enough DSP chip to do anything interesting even at that low IF. However, the idea is good and it might be an interesting project to "fix" it to be more effective. This may require replacement of DSP chip and a few :) other components.

The \$600 price tag on the DSP100 prevents me from getting it and putting it under the soldering iron. :(

Rajiv
aa9ch
Address: r-dewan@nwu.edu
Phone: None. Only CW.

Date: 24 Jan 93 18:48:29 GMT
From: decctl!news.crl.dec.com!news!nnnpd.lkg.dec.com!sttng.mlo.dec.com!
reisert@decwrl.dec.com
Subject: DXCC Backlog Stats - January 8, 1993
To: info-hams@ucsd.edu

--
James J. Reiser Internet: reiser@sttng.enet.dec.com
Digital Equipment Corp. UUCP: ...decwrl!sttng.enet!reiser
146 Main Street - ML03-6/C9 Voice: 508-493-5747
Maynard, MA 01754 FAX: 508-493-0395

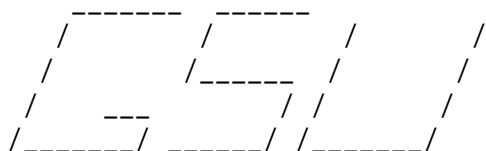
Date: Mon, 25 Jan 1993 03:23:35 GMT
From: gatech!gsusgi1.gsu.edu!gsusgi1.gsu.edu!regmad@uunet.uu.net
Subject: Finding PL Tones and McDonald's
To: info-hams@ucsd.edu

wtm@uhura.neoucom.edu (Bill Mayhew) writes:

>The the Ohio area, McDonalds all seem to use 154.570 MHz for
>output; no CTCSS apparent. I suspect it might be a repeater or 1/2
>of a duplex pair because I can hear both the drive-up and the
>order-taker when I tune to that. I have a Motorola P-10 that
>happens to be on 154.570. I've heard McDonalds there as well as a
>local cement company and cleaning crew in a nearby office.

>McDonalds must use very low power, as I can't hear them more than a
>block or two from the restaraunts; I copy the cement company
>workers several miles from my house.

Here in atlanta the frequency is the same and I have also heard that they
use a PL tone. As for range my scanner can rx them from 1 mile on a
groundplane.



Michael A. de Kraker
Georgia State University 404-651-2390
Internet:REGMAD@GSUSGI2.GSU.EDU
BITNET :REGMAD@GSUVM1 PACKET:KD4FKW@W4QO

To iterate is human, to recurse devine

Date: 24 Jan 93 20:37:20 GMT
From: agate!spool.mu.edu!nigel.msen.com!fmsrl7!lynx.unm.edu!nmsu.edu!opus!
forozco@ucbvax.berkeley.edu
Subject: Ham Radio Causes Cancer!
To: info-hams@ucsd.edu

Does ham radio cause cancer??....if you've spent the last 50 years of
your life leaning your head against your 2kW linear which goes to your
indoor antenna...of course it causes cancer!
--

Luis F. Orozco	N	5	U	H	B
forozco@dante.nmsu.edu			g	o	o
forozco@freedom.nmsu.edu			l	m	y
			y	e	

Date: Sun, 24 Jan 1993 17:03:45 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!cs.utexas.edu!convex!constellation!
essex.ecn.uoknor.edu!usenet@decwrl.dec.com
Subject: I PASSED!!! (was Format of Code Exams?)
To: info-hams@ucsd.edu

In article <14570594@hpnmdla.sr.hp.com> donrm@hpnmdla.sr.hp.com (Don Montgomery) writes:

>In rec.radio.amateur.misc, jahern@geohub.gcn.uoknor.edu (Jud Ahern) writes:

>

> [...]

>> tricky, like: His QTH was Mississippi (T/F?) Answer: False, it was

>> Mississippi). I got all 10 right, but the 10th was a lucky guess.

>

>Geez, are the exam architects still doing stupid stuff like this? If
>they're looking for exact spelling, why don't they give the code test
>in five-letter groups like they used to do in the military practice ses-
>sions?

>

>I was amazed when I took my last FCC exam -- I should've brought along a
>Philadelphia Corporation Lawyer to aid deciphering the double negatives,
>trick questions, etc...

>

>Don Montgomery K6LTS

>donrm@sr.hp.com

Sorry, I guess I didn't make myself very clear. The Mississippi case was just an example of how a T/F could be very difficult. I don't know what questions they actually used, since the next month, when I took my exam, they had gone back to multiple choice. Some of these were quite easy (choices like: Susan, Bob, Ralph, George); One of the callsign questions was difficult (but fair enough): KA9GQ, KA9QG, KA4GQ, KA4QG. I'm sure some people transpose letters and/or mix up 4s and 9s. All in all, the W5YI VEs who gave my test did a very good job of running it: They made sure there was little or no chance for cheating, but the atmosphere was as relaxed as possible! My thanks to Kathy and Bob DeGraffenried (sp?) and the other two who assisted at the session. And obviously I'm not trying to butter them up, because, like our college students say after their last final exam: I'M DONE!! I'M DONE!! (:>)

```
+-----+
| Jud Ahern KC5RI                      Bitnet: jahern@uokgcn.bitnet      |
| Geology & Geophysics                Internet: jahern@geohub.gcn.uoknor.edu |
| University of Oklahoma "Opinions expressed here reflect the entire|
| Norman, OK 73019                University, in one convenient location." |
+-----+
```

Date: 25 Jan 93 23:47:10 GMT
From: news-mail-gateway@ucsd.edu
Subject: Mag mounts (again)
To: info-hams@ucsd.edu

>>Subject: Beginner's Rig

>>

>>Finding a good path to route the cable is tough. Your best bet is to
>>put it through a door that is hardly ever used, if you can.

>Subject: Consider this about roof mounted mobile antennas...

>

>Drill a hole. It's the only way to go :-)

The Ford Ranger provides a real neat answer to getting your feedline to
your mag-mount: The bed illumination light.

I removed the whole light assembly and used the plastic lense as a
template to make a flat aluminum plate to cover the hole. I then drilled a
hole in it and mounted a S0239 bulkhead connector in it. This allowed me to
run a length of coax from under the dash, over the door behind the trim plates
and over to the connector.

I shortened the coax supplied with the mag-mount and fitted a PL259. Now
I can remove the entire antenna if I want to protect it from theft or to
avoid drawing attention. For parking garages where my 5/8-wave would get
damaged or knocked off, I just get out and "stick" it to the back of the
cab (horizontally). It still works fairly well in that orientation.

It doesn't look too bad either. It's just about a foot and a half of coax
that makes a little loop from the base to the connector. (Base-connector..
get it, transistor guys? Ho Ho..ughhh!)

Of course I kept the light assembly. When I sell the pickup I'll simply
remove the aluminum plate, lop off one connector and pull the coax out.
Then I replace the light assembly and touch up the scratches on top. (After
all, they're pretty much out of sight anyway).

73,

Dube Todd AB5AP <dube@cpdvax.csc.ti.com>

Date: Mon, 25 Jan 1993 03:01:21 GMT

From: anomaly.sbs.com!kd1hz@uunet.uu.net

Subject: Posting Private Mail (Was: Re: Real hams?)

To: info-hams@ucsd.edu

swalton@mail.boi.hp.com (Sean_Walton; 85U524; x3821) writes:

>Also, if anyone wants to talk on these BSSs should use their own
>handle not hide behind "Anomaly System Administration <netmail!root".

Well, Sean, I guess you're new to the net.

If you were a net.veteran, you would have noticed that the message posted by our friend Kebbin was in fact a private e-mail message which I had sent to him.

Now, I *could* flame Kebbin for posting private e-mail, but that's okay, because I'm sure everyone else pretty much thinks of him as low-life scum for doing it anyway (not to mention that I could care less, since I stand by each word I said.)

However, there are two things to remember:

1. Private e-mail may or may not be sent from the same account which I post to USENET with.
2. You're only seeing one side of the posting. What you're not seeing are the particularly vulgar messages which Kebbin is in fact sending to other people on this end. And, naturally, its always easy to condemn based upon a single-sided view.

MD

```
--  
-- Michael P. Deignan, KD1HZ  
-- Domain: mpd@anomaly.sbs.com  
-- UUCP: ...!uunet!anomaly!mpd  
-- Telebit: +1 401 455 0347  
-----  
- I'm not a bigot,  
- I hate everyone...  
-----
```

Date: Sat, 23 Jan 1993 20:09:38
From: munnari.oz.au!jabaru.cec.edu.au!csource!gateway@tcgould.tn.cornell.edu
Subject: Radio Shack Business Band Radio
To: info-hams@ucsd.edu

Dear Scott

i couldn't help noticing you mention about 1 watt transceivers sold by radio shack in the United States. these are not available here in australia to the best of my knowledge. Can you tell me how much they cost over there? If you know of anywhere that sells them second hand i'd be interested also. I am a combined license Ham radio Operator (VK3KAT) and wouldn't mind trying one of these on packet.

Peter, Melboourne Australia

* Origin: Spectrum Radio - Melbourne's All Band Radio BBS (3:632/393.0)

Date: Mon, 25 Jan 1993 02:52:36 GMT
From: anomaly.sbs.com!n1mpq@uunet.uu.net
Subject: Real NoCodes
To: info-hams@ucsd.edu

kevin.jessup <kevin.jessup@mixcom.mixcom.com> writes:

>I am anxiously awaiting my "no code" tech license to arrive.

>I consider it my FIRST STEP into HAM radio. Since I have a 50+ hour a
>week job, attend night classes and also have a family, I opted for the
>no code rather than the novice or general. I just do not have the time
>at the moment to study the code.

>I've also wanted a reliable and fun means of mobile communication. I've
>heard that CB is frequented by many people that you'd rather not talk to.
>I thought HAM radio was supposed to be different. Tell me Mr. Deignan,
>did you just move up from CB or have you always been this way??

>There seems to be a fair amount of "no-code" bashing around here lately.
>I'd just like to say to any other aspiring HAMS out there that this is
>the exception and not the rule (at least in my experience).

>There are many general class and higher HAMS here where I work and in the
>surrounding area (Milwaukee) and I've found them to be very helpfull.
>Most do not have Deignan's attitude and are happy to help anyone with
>a desire to learn more about HAM radio.

>So far the only "flames" I've received regarding any HAM radio questions
>I've had have come via Email. I think such flaming is more a phenomenon
>of INTERNET rather than HAM radio in general. You'll find such attitude
>problems in any USENET conference. Most of them you just have to ignore.

>--

>Kevin Jessup, kevin.jessup@mixcom.mixcom.com

> "Friends don't let friends run DOS."
> -- Microware

Of course some people don't recognize humor when they see it. We're just
having fun here. Not trying to really flame no-codes. We realize there are
people with gen, adv and xtra class licenses that are just as bad as the
ones who don't have code. Ah well... have a good life.

Tony
n1mpq @ anomaly.sbs.risc.net

Date: Mon, 25 Jan 1993 02:52:41 GMT
From: anomaly.sbs.com!n1mpq@uunet.uu.net
Subject: Real NoCodes
To: info-hams@ucsd.edu

clemon@lemsys.UUCP (Craig Lemon VE3XCL) writes:

>In article <kd1hz.1@anomaly.sbs.com>, Michael P. Deignan writes:

>> REAL NOCODES
>> By Michael P. Deignan
>> kd1hz@anomaly.sbs.com

>> 2. Real nocodes use a repeater when in a grocery store talking
>> to their Good Buddy two aisles over. EMP from overhead
>> fluorescent lights makes simplex communication impossible.

> Au contraire, real "code" class hams drive in a line down
>the road using a remote link to a local repeater, running 50W, and
>complaining about desense while on their way for some "Motion Lotion".

>> 4. Real nocodes always have to stop to put some "MotionLotion"
>> into their vehicle, on their way to pick up some "MochaJava"
>> before stopping to "have an eyeball" with a fellow nocode.

> See above.

>> 6. Real nocodes operate HTs with stubduckies in their vehicles
>> and then wonder why they aren't making it into the machine.

> Around here, the "code" guys run high power into a local
repeater,
>and turn it's sensitivity way down and claim there's nothing wrong
because
>"it still works for them".

>> And yes... Every one of these actually happened.

>Ditto.

>> Have any others? Email them to me!

>> Michael P. Deignan, KD1HZ

>> Domain: mpd@anomaly.sbs.com I'm not a bigot,
>> UUCP: ...!uunet!anomaly!mpd I hate everyone...
>> Telebit: +1 401 455 0347

> No sir, you are a bigot. And great offense will be, and has been
> taken from your statements. No-code licensing is not the same in Canada
> as
> it is in the States. I have full radio-theory qualifications but no
> code,
> because I have better things to do than study code (like go to school).
> All code will give me here is operating privileges below 30Mhz, on
> equipment I can't afford. I can already build my own transceivers, run a
> repeater etc... Just because I don't ENJOY listening to a faint signal
> transmitting a series of tones on my HF "set" doesn't mean that I lack
> intelligence or that you are a better person than I. At least you've
> decided to come out from behind your "system administrator" account.
Grow
> up.
Well, seems that the DOC up in Canada made the same mistakes the FCC here
in the states did. So much for brains I guess.

Tony

>--
> Craig Lemon VE3XCL (Advanced) - Kitchener, Ontario. +1 519 741 0297
> clemon@lemsys.UUCP clemon%lemsys@xenitec.on.ca | 1B Electrical
Engineering
> TCP/IP: ve3xcl@ve3xcl.ampr.org [44.135.84.51] | University of
Waterloo
> AX.25 Packet: ve3xcl@ve3euk.#SWON.ON.CAN.NA | Waterloo, Ontario,
CANADA

Date: 25 Jan 93 02:33:45 GMT
From: ogicse!uwm.edu!cs.utexas.edu!not-for-mail@network.UCSD.EDU
Subject: TAC-200 Parts ID
To: info-hams@ucsd.edu

I have been trying to "reverse engineer" RCA TAC-200 high band channel elements
to come up with an inexpensive kit. Receive is okay and almost done, but there
are several parts on the Transmit channel element I cannot identify. They are:

RT1, RT2 and RT3 which have a brown, yellow and black, respectively,
dots on them. I think these are negative temperature coefficient
thermistors with values of about 3.5K, 6K and 30K at room temp.

CR1 the tuning diode. Number on it is A1 7567 -1

Q1 a NPN transistor. Numbers on it are 185 593-1 144

Q2 a PNP transistor. Numbers on it are 185 131 183-1

If anyone can help me with the identification of these or provide me with information about suitable replacement parts for them, I would be most grateful. Please reply via EMAIL to chideste@cyanamid.com.

Thanks and 73
Dale

```
-----
Dale H. Chidester, PhD          N3HAL          "Against ignorance, even the
American Cyanamid Company      Gods in vain doth contend."
Agricultural Research Divison      Goethe
PO Box 400, Clarksville Rd.      Phone: (609) 799-0400 x2430
Princeton, NJ 08543-0400          Email: chideste@cyanamid.com
-----
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```
-----
Date: 25 Jan 93 02:21:12 GMT
From: ogicse!uwm.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!caen!
kuhub.cc.ukans.edu!whitten@network.UCSD.EDU
To: info-hams@ucsd.edu
```

References <C132qv.Dv4@usenet.ucs.indiana.edu>,
<1993Jan19.111625.1@bb1t.monsanto.com>, <1jjftvINNe44@freedom.genrad.com>:
Subject : Re: FCC Restricted Radiotelephone License

In article <1jjftvINNe44@freedom.genrad.com>, dls@freedom.genrad.com (Diana L. Carlson) writes:

> In article <1993Jan19.111625.1@bb1t.monsanto.com> sekell@bb1t.monsanto.com writes:

>>He told me that was required for a DJ to be on the air. The form was already
>>several years out of date, but I filled it out and sent it in anyway. There
>>was no charge indicated. The form was returned to me with the FCC seal and a
> ^^^^^^^

> That's correct, up until about 2 years ago, this license was FREE.

Always willing to poke my nose in where it wasn't requested...
Well, if your going to be using your "Restricted Radiotelephone Operator Permit" for educational purposes, like being a DJ at a college radio station, you don't need the \$35. The resulting license is only good for education, so if you later get a job at a commercial radio station, you'll need to re-apply and pay

the money. Here at KU, our graduate teaching assistant gathers up all the FCC forms and sends them to the FCC in batches with a letter stating these are all for educational use.

Now back to ham radio.

Regards,
Chris

=====

WHITTEN@KUHUB.CC.UKANS.EDU	Chris Whittenburg, N0TWA
WHITTEN@UKANVAX.bitnet	Univ. of Kansas - Electrical Engineering

=====

End of Info-Hams Digest V93 #106
